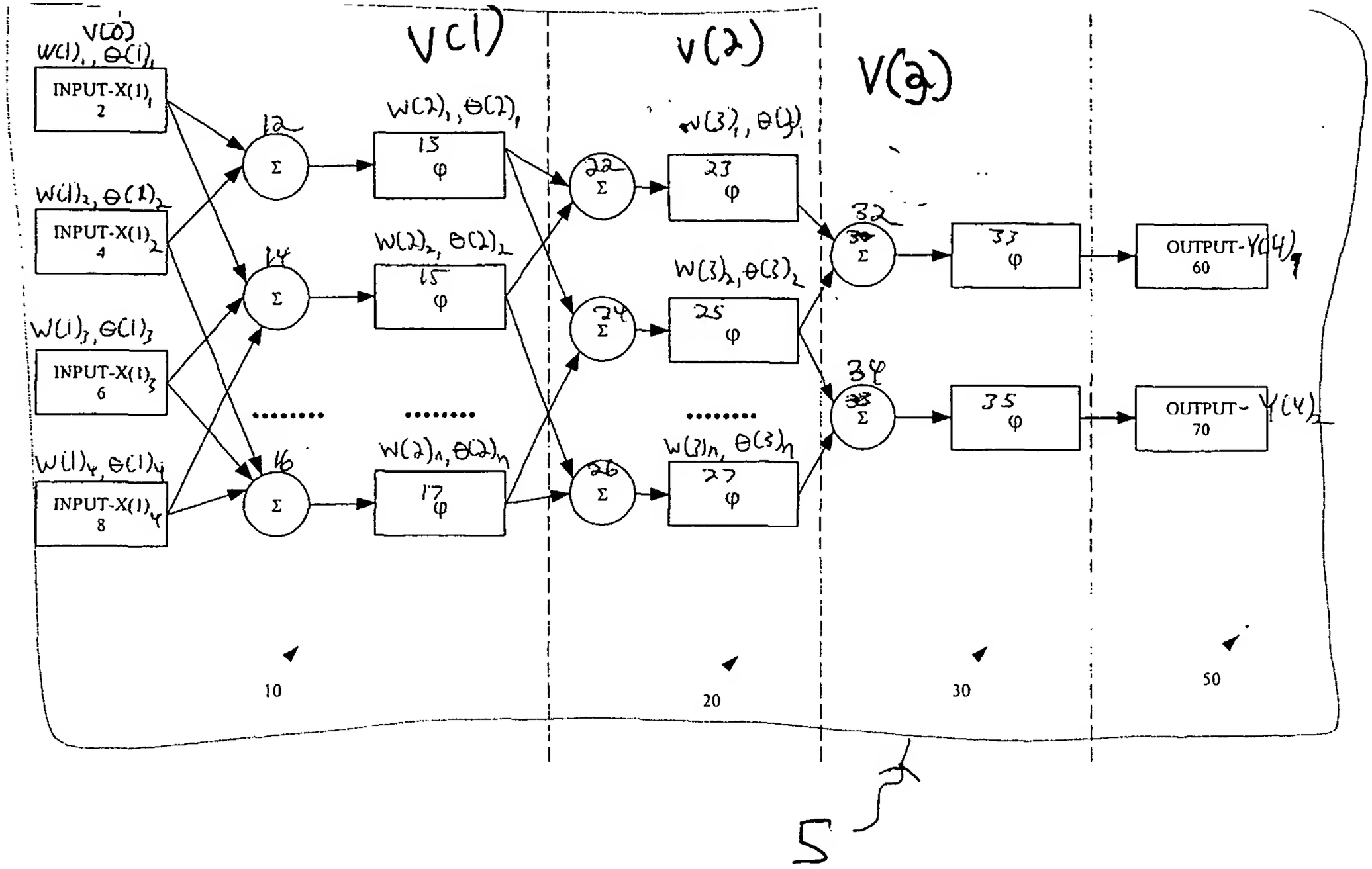
V(0)
W(1)1, Θ(1)1
INPUT-X(1)1
2
W(1)2, Θ(1)2
INPUT-X(1)2
4
W(1)3, Θ(1)3
INPUT-X(1)3
6
W(1)4, Θ(1)4
INPUT-X(1)4
8
V(1)
12
14
16
Σ
W(2)1, Θ(2)1
15
φ
W(2)2, Θ(2)2
15
φ
W(2)n, Θ(2)n
17
φ
V(2)
22
24
26
Σ
W(3)1, Θ(3)1
23
φ
W(3)2, Θ(3)2
25
φ
W(3)n, Θ(3)n
27
φ
V(3)
32
34
Σ
33
φ
35
φ
OUTPUT-Y(4)1
60
OUTPUT-
70
Y(4)2
10
20
30
50
5

FIG 1

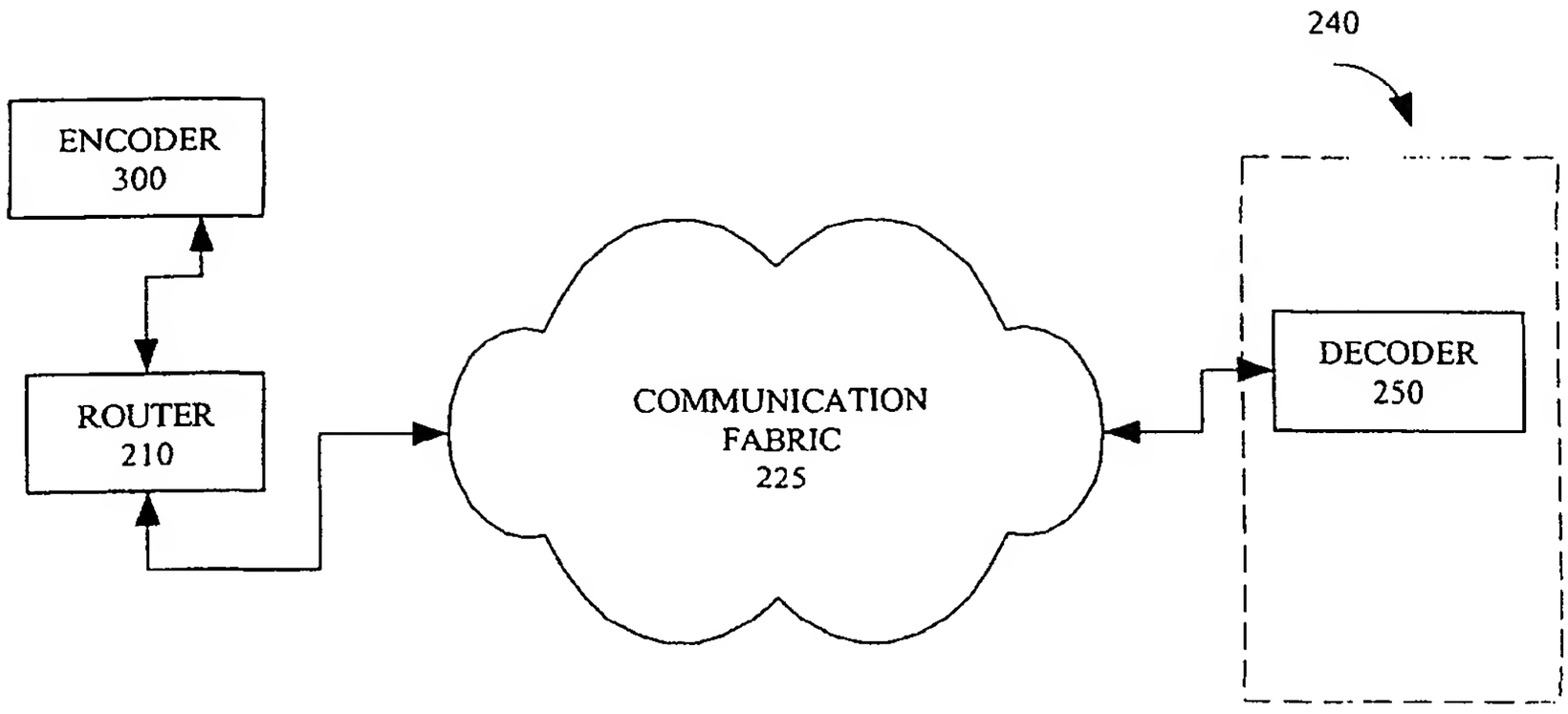
240
ENCODER
300
ROUTER
210
COMMUNICATION
FABRIC
225
DECODER
250

FIG 2

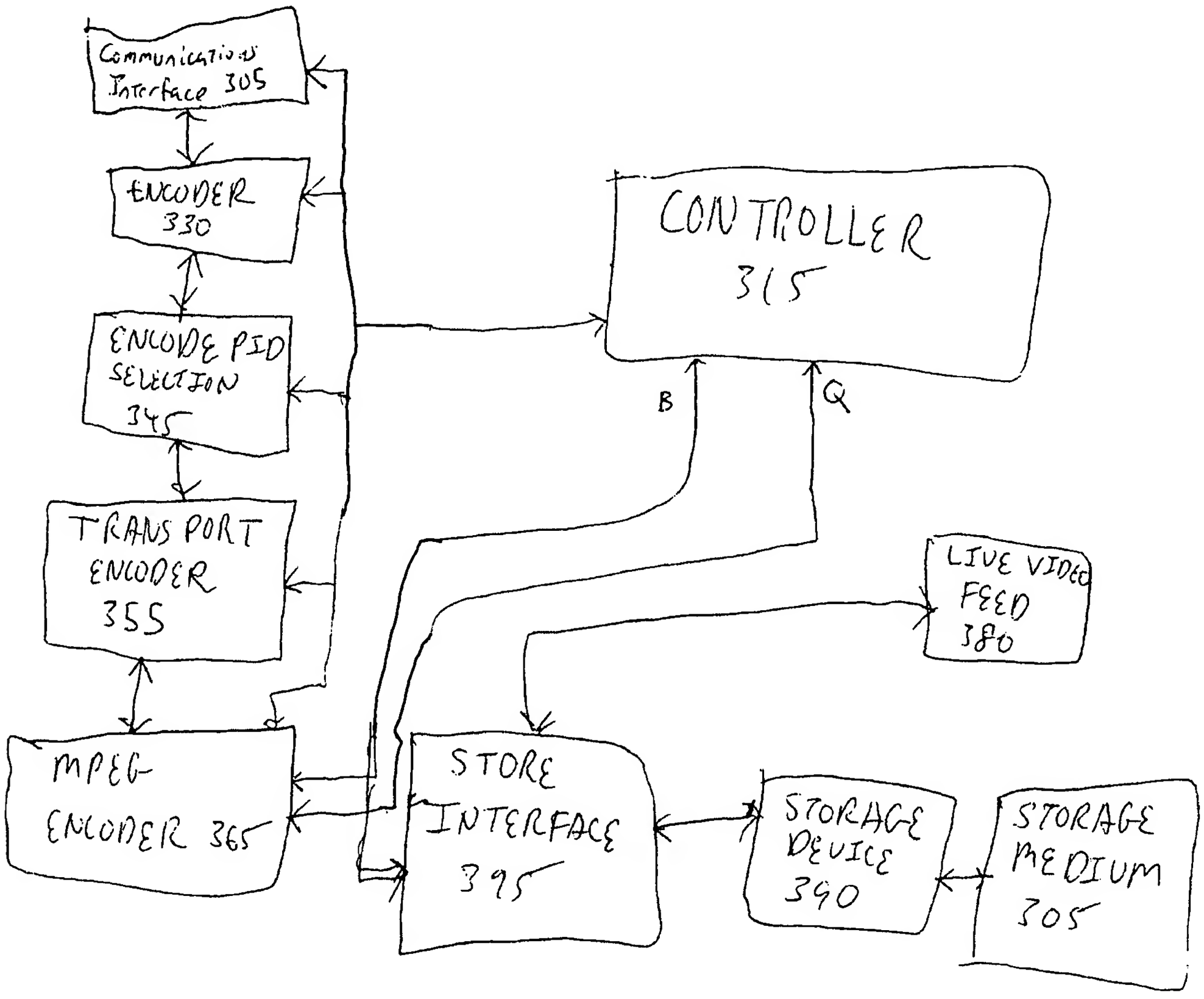
Communication Interface 305
ENCODER 330
ENCODE PID SELECTION 345
TRANSPORT ENCODER 355
MPEG ENCODER 365
CONTROLLER 315
B
Q
LIVE VIDEO FEED 380
STORE INTERFACE 395
STORAGE DEVICE 390
STORAGE MEDIUM 305

FIG 3

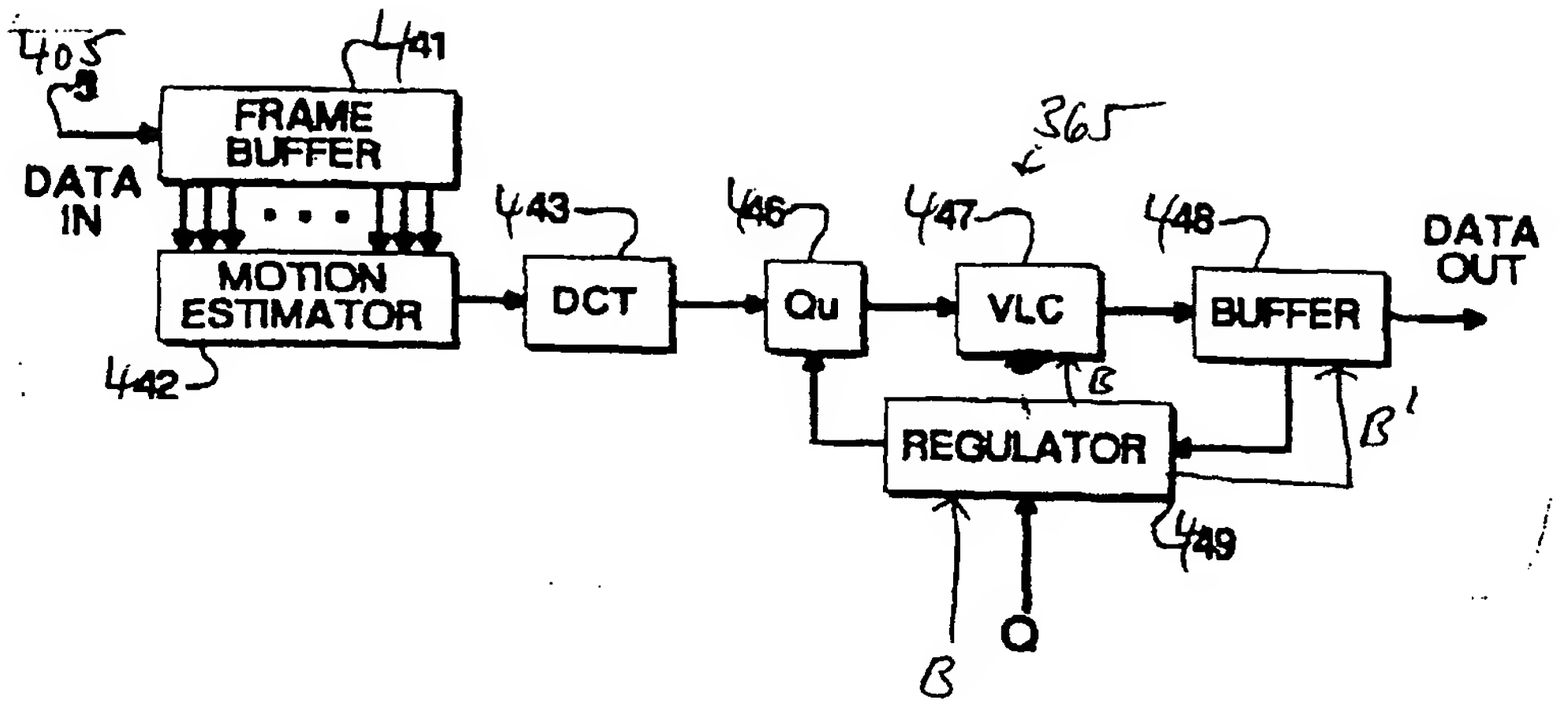
405
441
FRAME BUFFER
DATA IN
MOTION ESTIMATOR
442
443
DCT
446
Qu
365
447
VLC
448
BUFFER
DATA OUT
B
B'
REGULATOR
449
B
Q

FIG 4